

1. (Currently Amended) A high pressure fluid fitting assembly for a fluid-tight coupling of a tube member, having a conduit, to a connector member having a receiving port defined by an interior sealing wall and a bottom end wall, and formed for sliding receipt of said tube member until a distal end thereof seats against said bottom end wall, said connector member further defining a passage extending therethrough and terminating in the receiving port, said fitting assembly comprising:

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having an interior alignment wall defining an alignment passage extending from the proximal face to the distal face for sliding receipt of the tube member therethrough; and

a ferrule device having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube engaging portion to the sealing portion and formed for receipt of the tube member therethrough, said tube engaging portion includes at least one longitudinally extending slot, and being formed and dimensioned to contact the contact device alignment wall and said sealing portion being formed and dimensioned to contact the connector member sealing wall such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the contact device alignment wall ~~non-rotationally~~ contacts the ferrule device tube engaging portion in manner causing an interior gripping surface thereof to increasingly radially grip the tube member for movement of the ferrule device and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portion into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduit to the connector member passage, and increasingly urge said distal end of the tube member into seated engagement with the bottom end wall of the connector member.

2. (Previously Presented) The fluid fitting assembly as defined by claim 1, further including:

a spanner nut defining an access port for receipt of said tube member therethrough, adapted to engage said contact device to exert said compression force.

3. (Previously Presented) The fluid fitting assembly as defined by claim 2, wherein

the sealing portion of the ferrule device includes a sealing surface tapering inwardly toward the distal end thereof, and formed to increase the contact area with the connector member sealing wall as the compression force is increasingly applied.

4. (Previously Presented) The fluid fitting assembly as defined by claim 3, wherein

said tube receiving passage of the ferrule device is defined by a substantially cylindrical interior wall, and said ferrule device further including:

a retention collar extending inwardly from said interior wall, and positioned proximate to the distal end of said sealing portion.

5. (Previously Presented) The fluid fitting assembly as defined by claim 2, wherein

said interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, and said interior gripping surface increasingly circumferentially gripping said tube member as the compression force is increasingly applied.

6. (Previously Presented) The fluid fitting assembly as defined by claim 5, wherein

the interior alignment wall of the contact device includes a contacting wall tapering inwardly in a direction toward the proximal surface, and

said tube engaging portion of the ferrule device includes a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device in a manner causing the interior gripping surface of the ferrule device tube receiving passage to increasingly radially engage the tube member.

7. (Previously Presented) The fluid fitting assembly as defined by claim 6, wherein

said interior alignment wall of the contact device further includes a substantially cylindrical support wall extending in a direction distally from the contacting wall and terminating at the distal surface thereof to define a ferrule receiving recess, and

said tube engaging portion of the ferrule device further includes a substantially cylindrical alignment surface extending distally from the contacting rim, and formed and dimensioned for sliding engagement with the substantially cylindrical support wall of the contact device.

8. (Original) The fluid fitting assembly as defined by claim 6, wherein

the proximal end of the ferrule device tube engaging portion tapers inwardly to define the contacting rim.

Claim 9 (Canceled)

10. (Previously Presented) The fluid fitting assembly as defined by claim 8, wherein

said ferrule device includes a distal shoulder portion adapted to contact a proximal face of the connector member to limit insertion of the ferrule device sealing portion into the connector member receiving port, and a proximal shoulder portion adapted to contact the distal surface of the contact device to limit insertion of the tube engaging portion of the ferrule device into the contact device alignment passage.

11. (Previously Presented) A high pressure fluid fitting assembly for a fluid-tight coupling of a plurality of tube members, each having a conduit, to a connector member as a unit, said connector member having a plurality of receiving ports each defined by an interior sealing wall and a bottom end wall, and each formed for sliding receipt of a corresponding tube member until a distal end thereof seats against the respective bottom end wall, said connector member further defining a plurality of passages each extending therethrough and terminating in a corresponding receiving port, said fitting assembly comprising:

a contact device a having proximal surface and an opposite distal surface facing toward said connector member, and having a plurality of alignment passages each defined by an alignment wall extending from the proximal face to the distal face for sliding receipt of a respective tube member therethrough; and

a plurality of ferrule devices each having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube engaging portion to the sealing portion and formed for receipt of a respective tube member therethrough, each said tube engaging portion being formed and dimensioned to contact a respective alignment wall of the contact device and each

said sealing portion of the ferrule device being formed and dimensioned to contact a respective sealing wall of the connector member such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the respective alignment walls of the contact device contact the tube engaging portions of the ferrule devices in a manner causing a respective interior gripping surface thereof to increasingly radially grip the corresponding tube members for movement of the ferrule devices and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portions into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduits to the corresponding connector member passages, and increasingly urge said distal ends of the tube members into seated engagement with the respective bottom end walls of the connector member.

12. (Previously Presented) The fluid fitting assembly as defined by claim 1, further including:

a spanner nut defining an access port for receipt of said tube members therethrough, and adapted to engage said contact device to exert said compression force.

13. (Previously Presented) The fluid fitting assembly as defined by claim 11, wherein

the sealing portions of each ferrule device include a sealing surface tapering inwardly toward the distal end thereof, and formed to increase the contact area with the respective sealing wall of the connector member as the compression force is increasingly applied.

14. (Original) The fluid fitting assembly as defined by claim 13, wherein each sealing portion of the ferrule device is conical-shaped.
15. (Original) The fluid fitting assembly as defined by claim 14, wherein each ferrule device includes a distal shoulder portion adapted to contact a proximal face of the connector member to limit insertion of the ferrule device sealing portion into the connector member receiving port.
16. (Original) The fluid fitting assembly as defined by claim 15, wherein each distal shoulder portion extends circumferentially around the respective ferrule device.
17. (Previously Presented) The fluid fitting assembly as defined by claim 11, wherein each said interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, and said interior gripping surface increasingly circumferentially gripping the respective tube member as the compression force is increasingly applied.
18. (Previously Presented) The fluid fitting assembly as defined by claim 17, wherein each interior alignment wall of the contact device includes a contacting wall tapering inwardly in a direction toward the proximal surface, and each tube engaging portion of the respective ferrule device includes a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device in a manner causing the interior gripping surface of the respective

tube receiving passage of the ferrule device to increasingly radially engage the tube member.

19. (Previously Presented) The fluid fitting assembly as defined by claim 18, wherein

each interior alignment wall of the contact device further includes a substantially cylindrical support wall extending in a direction distally from the contacting wall and terminating at the distal surface thereof to define a ferrule receiving recess, and

each tube engaging portion of the ferrule device further includes a substantially cylindrical alignment surface extending distally from the contacting rim, and formed and dimensioned for sliding engagement with the respective substantially cylindrical support wall of the contact device.

20. (Original) The fluid fitting assembly as defined by claim 19, wherein

the proximal end of the each ferrule device tube engaging portion tapers inwardly to define the contacting rim.

21. (Previously Presented) The fluid fitting assembly as defined by claim 20, wherein

the inwardly taper of the each contacting rim is curvilinear in profile.

22. (Previously Presented) The fluid fitting assembly as defined by claim 19, wherein

each said ferrule device includes a proximal shoulder portion adapted to contact the distal surface of the contact device to limit insertion of the tube engaging portion of the ferrule device into the respective contact device receiving recess.

23. (Original) The fluid fitting assembly as defined by claim 13, wherein each tube receiving passage of the respective ferrule device is defined by a substantially cylindrical interior wall, and each ferrule device further including:  
a retention collar extending inwardly from said interior wall, and positioned proximate to the distal end of the respective sealing portion.

24. (Original) The fluid fitting assembly as defined by claim 17, wherein each said engaging portion of the ferrule device includes at least one longitudinally extending slot to facilitate engagement with the respective tube member.

25. (Previously Presented) The fluid fitting assembly as defined by claim 12, wherein  
an annular under-shoulder of the spanner nut slideably contacts an annular contact shoulder of contact device to exert said compression force.

26. (Previously Presented) The fluid fitting assembly as defined by claim 25, wherein  
a central ferrule receiving recess positioned proximate a center of said contact device is off-set a predetermined distance closer to the connector member relative the surrounding receiving recesses.



27. (Original) The fluid fitting assembly as defined by claim 26, wherein  
said predetermined distance is in the range of about 0.004 inch to about 0.006  
inch.

28. (Previously Presented) A high pressure fluid connection system comprising:  
a plurality of tube members each having a fluid conduit extending  
therethrough and terminating at respective distal ends thereof,

a fluid distribution device having a housing formed to seat a connection  
member having a plurality of receiving ports each defined by an interior sealing wall  
and a bottom end wall, and each formed for sliding receipt of a corresponding tube  
member until a distal end thereof seats against the respective bottom end wall, said  
connector member further defining a plurality of passages each extending  
therethrough and terminating in a corresponding receiving port;

a contact device having proximal surface and an opposite distal surface facing  
toward said connector member, and having a plurality of alignment passages each  
defined by an alignment passage extending from the proximal face to the distal face  
for sliding receipt of a respective tube member therethrough; and

a plurality of ferrule devices each having a proximal tube engaging portion, an  
opposite distal sealing portion and a tube receiving passage extending from the tube  
engaging portion to the sealing portion and formed for receipt of a respective tube  
member therethrough, each said tube engaging portion being formed and  
dimensioned to contact a respective alignment wall of the contact device and each  
said sealing portion of the ferrule device being formed and dimensioned to contact a  
respective sealing wall of the connector member; and

a spanner nut defining an access port for receipt of said tube members  
therethrough, and adapted cooperate with the housing of the fluid distribution device

to increasingly exert a compression force on said contact device such that the respective alignment walls of the contact device contact the tube engaging portions of the ferrule devices in a manner causing a respective interior gripping surface thereof to increasingly radially grip the corresponding tube members for movement of the ferrule devices and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portions into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduits to the corresponding connector member passages, and increasingly urge said distal ends of the tube members into seated engagement with the respective bottom end walls of the connector member.

29. (Previously Presented) The fluid fitting assembly as defined by claim 28, wherein

the sealing portions of each ferrule device include a sealing surface tapering inwardly toward the distal end thereof, and formed to increase the contact area with the respective sealing wall of the connector member as the compression force is increasingly applied.

30. (Previously Presented) The fluid fitting assembly as defined by claim 28, wherein

each said interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, and said interior gripping surface increasingly circumferentially gripping the respective tube member as the compression force is increasingly applied.

31. (Previously Presented) The fluid fitting assembly as defined by claim 30, wherein

each interior alignment wall of the contact device includes a contacting wall tapering inwardly in a direction toward the proximal surface, and

each tube engaging portion of the respective ferrule device includes a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device in a manner causing the interior gripping surface of the respective tube receiving passage of the ferrule device to increasingly radially engage the tube member.

32. (Previously Presented) The fluid fitting assembly as defined by claim 31, wherein

each interior alignment wall of the contact device further includes a substantially cylindrical support wall extending in a direction distally from the contacting wall and terminating at the distal surface thereof to define a ferrule receiving recess, and

each tube engaging portion of the ferrule device further includes a substantially cylindrical alignment surface extending distally from the contacting rim, and formed and dimensioned for sliding engagement with the respective substantially cylindrical support wall of the contact device.

33. (Original) The fluid fitting assembly as defined by claim 30, wherein

each tube receiving passage of the respective ferrule device is defined by a substantially cylindrical interior wall, and each ferrule device further including:

a retention collar extending inwardly from said interior wall, and positioned proximate to the distal end of the respective sealing portion.

34. (Original) The fluid fitting assembly as defined by claim 33, wherein  
each said engaging portion of the ferrule device includes at least one longitudinally extending slot to facilitate engagement with the respective tube member.

35. (Previously Presented) The fluid fitting assembly as defined by claim 28, wherein

an annular under-shoulder of the spanner nut slideably contacts an annular contact shoulder of contact device to exert said compression force.

36. (Previously Presented) The fluid fitting assembly as defined by claim 35, wherein

a central ferrule receiving recess positioned proximate a center of said contact device is off-set a predetermined distance closer to the connector member relative the surrounding receiving recesses.

37. (Currently Amended) A fluid fitting assembly for a fluid-tight coupling of a tube member, having a conduit, to a connector member having a receiving port defined by an interior sealing wall and formed for sliding receipt of the distal end of said tube member therein, said connector member further defining a passage extending therethrough and terminating in the receiving port, said fitting assembly comprising:

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having an interior alignment wall defining an alignment passage extending from the proximal face to the distal face for sliding

receipt of the tube member therethrough, and including a contacting wall tapering inwardly in a direction toward the proximal surface; and

a ferrule device having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage defined by a substantially cylindrical interior wall and extending from the tube engaging portion to the sealing portion, and formed for receipt of the tube member therethrough, said ferrule device further including a retention collar extending inwardly from said interior wall, and said tube engaging portion including a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device and an interior gripping surface defining at least a portion of the tube receiving passage, and said sealing portion being formed and dimensioned to contact the connector member sealing wall such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the contact device alignment wall ~~non-rotationally~~ contacts the ferrule device tube engaging portion in manner increasingly causing the interior gripping surface to radially grip the tube member for movement of the ferrule device and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portion into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduit to the connector member passage.

38. (Currently Amended) The fluid fitting assembly as defined by claim 37, wherein

~~—said tube receiving passage of the ferrule device is defined by a substantially cylindrical interior wall, and said ferrule device further including:~~

a said retention collar ~~extending inwardly from said interior wall, and~~ positioned proximate to the distal end of said sealing portion.

39. (Previously Presented) The fluid fitting assembly as defined by claim 37, wherein

said engaging portion includes at least one longitudinally extending slot to facilitate engagement with said tube member.

40. (Previously Presented) A fluid fitting assembly for a fluid-tight coupling of a plurality of tube members, each having a conduit, to a connector member as a unit, said connector member having a plurality of receiving ports each defined by an interior sealing wall and formed for sliding receipt of a distal end of a corresponding tube member therein, said connector member further defining a plurality of passages each extending therethrough and terminating in a corresponding receiving port, said fitting assembly comprising:

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having a plurality of alignment passages each defined by a respective alignment wall extending from the proximal face to the distal face for sliding receipt of a respective tube member therethrough, each said alignment walls includes a respective contacting wall tapering inwardly in a direction toward the proximal surface; and

a plurality of ferrule devices each having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube engaging portion to the sealing portion and formed for receipt of a respective tube member therethrough, each said tube engaging portion including a respective proximal contacting rim adapted to contact the corresponding inwardly tapered contacting wall of the contact device and an interior gripping surface defining at least a portion of the respective tube receiving passage, and each said sealing portion of the

ferrule device being formed and dimensioned to contact a respective sealing wall of the connector member such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the respective alignment walls of the contact device contact the tube engaging portions of the ferrule devices in a manner increasingly radially gripping the corresponding tube members for movement of the ferrule devices and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portions into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduits to the corresponding connector member passages.

41. (Previously Presented) The fluid fitting assembly as defined by claim 40, further including:

a spanner nut defining an access port for receipt of said tube members therethrough, and adapted to engage said contact device to exert said compression force.

42. (Previously Presented) The fluid fitting assembly as defined by claim 40, wherein

each ferrule device includes a distal shoulder portion adapted to contact a proximal face of the connector member to limit insertion of the ferrule device sealing portion into the connector member receiving port.

43. (Previously Presented) The fluid fitting assembly as defined by claim 40, wherein

the proximal end of the each ferrule device tube engaging portion tapers inwardly to define the contacting rim.

44. (Previously Presented) The fluid fitting assembly as defined by claim 40, wherein

each said ferrule device includes a proximal shoulder portion adapted to contact the distal surface of the contact device to limit insertion of the tube engaging portion of the ferrule device into the respective contact device receiving recess.

45. (Previously Presented) The fluid fitting assembly as defined by claim 40, wherein

each said engaging portion of the ferrule device includes at least one longitudinally extending slot to facilitate engagement with the respective tube member.

46. (Previously Presented) A fluid fitting assembly for a fluid-tight coupling of a plurality of tube members, each having a conduit, to a connector member as a unit, said connector member having a plurality of receiving ports each defined by an interior sealing wall and formed for sliding receipt of a distal end of a corresponding tube member therein, said connector member further defining a plurality of passages each extending therethrough and terminating in a corresponding receiving port, said fitting assembly comprising:

a contact device a having proximal surface and an opposite distal surface facing toward said connector member, and having a plurality of alignment passages each defined by an alignment passage extending from the proximal face to the distal face for sliding receipt of a respective tube member therethrough; and

a plurality of ferrule devices each having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube



engaging portion to the sealing portion and formed for receipt of a respective tube member therethrough, each said tube engaging portion being formed and dimensioned to contact a respective alignment wall of the contact device, and each including a respective interior gripping surface defining at least a portion of the respective tube receiving passage and at least one longitudinally extending slot to facilitate engagement with the respective tube member, and each said sealing portion of the ferrule device being formed and dimensioned to contact a respective sealing wall of the connector member such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the respective alignment walls of the contact device contact the tube engaging portions of the ferrule devices in a manner increasingly radially gripping the corresponding tube members for movement of the ferrule devices and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portions into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduits to the corresponding connector member passages.

47. (Previously Presented) The fluid fitting assembly as defined by claim 46, wherein

each ferrule device includes a distal shoulder portion adapted to contact a proximal face of the connector member to limit insertion of the ferrule device sealing portion into the connector member receiving port.

48. (Previously Presented) The fluid fitting assembly as defined by claim 46, wherein

each interior alignment wall of the contact device includes a contacting wall tapering inwardly in a direction toward the proximal surface, and

each tube engaging portion of the respective ferrule device includes a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device in a manner causing the interior gripping surface of the respective tube receiving passage of the ferrule device to increasingly radially engage the tube member.

49. (Previously Presented) A fluid fitting assembly for a fluid-tight coupling of a plurality of tube members, each having a conduit, to a connector member as a unit, said connector member having a plurality of receiving ports each defined by an interior sealing wall and formed for sliding receipt of a distal end of a corresponding tube member therein, said connector member further defining a plurality of passages each extending therethrough and terminating in a corresponding receiving port, said fitting assembly comprising:

a contact device a having proximal surface and an opposite distal surface facing toward said connector member, and having a plurality of alignment passages each defined by an alignment passage extending from the proximal face to the distal face for sliding receipt of a respective tube member therethrough;

a spanner nut defining an access port for receipt of said tube members therethrough, and including an annular under-shoulder of the spanner nut adapted slideably engage an annular contact shoulder of contact device to exert a compression force thereon in the direction toward the connector member; and

a plurality of ferrule devices each having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube engaging portion to the sealing portion and formed for receipt of a respective tube member therethrough, each said tube engaging portion being formed and dimensioned to contact a respective alignment wall of the contact device and each

said sealing portion of the ferrule device being formed and dimensioned to contact a respective sealing wall of the connector member such that when said compression force is increasingly applied to the contact device, the respective alignment walls of the contact device contact the tube engaging portions of the ferrule devices in a manner increasingly radially gripping the corresponding tube members for movement of the ferrule devices and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portions into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduits to the corresponding connector member passages, and a central ferrule receiving recess positioned proximate a center of said contact device is off-set a predetermined distance closer to the connector member relative the surrounding receiving recesses.

50. (Previously Presented) The fluid fitting assembly as defined by claim 49, wherein

said predetermined distance is in the range of about 0.004 inch to about 0.006 inch.

51. (Previously Presented) The fluid fitting assembly as defined by claim 49, wherein

each tube engaging portion of the respective ferrule device includes an interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, said interior gripping surface increasingly circumferentially gripping the respective tube member as the compression force is increasingly applied.

52. (Previously Presented) The fluid fitting assembly as defined by claim 51, wherein

each said engaging portion of the ferrule device includes at least one longitudinally extending slot to facilitate engagement with the respective tube member.

53. (Previously Presented) A fluid connection system comprising:

a plurality of tube members each having a fluid conduit extending therethrough and terminating at respective distal ends thereof,

a fluid distribution device having a housing formed to seat a connection member having a plurality of receiving ports each defined by an interior sealing wall and formed for sliding receipt of a distal end of a corresponding tube member therein, said connector member further defining a plurality of passages each extending therethrough and terminating in a corresponding receiving port;

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having a plurality of alignment passages each defined by an alignment passage extending from the proximal face to the distal face for sliding receipt of a respective tube member therethrough; and

a plurality of ferrule devices each having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube engaging portion to the sealing portion and formed for receipt of a respective tube member therethrough, each tube engaging portion includes an interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, each said tube engaging portion being formed and dimensioned to contact a respective alignment wall of the contact device, each said sealing portion of the ferrule device being formed and dimensioned to contact a respective sealing wall

of the connector member, and each said engaging portion of the ferrule device includes at least one longitudinally extending slot to facilitate engagement with the respective tube member; and

a spanner nut defining an access port for receipt of said tube members therethrough, and adapted cooperate with the housing of the fluid distribution device to increasingly exert a compression force on said contact device such that the respective alignment walls of the contact device contact the tube engaging portions of the ferrule devices in a manner increasingly radially gripping the corresponding tube members for movement of the ferrule devices and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portions into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduits to the corresponding connector member passages.

54. (Previously Presented) The fluid fitting assembly as defined by claim 53, wherein

the sealing portions of each ferrule device include a sealing surface tapering inwardly toward the distal end thereof, and formed to increase the contact area with the respective sealing wall of the connector member as the compression force is increasingly applied.

Claim 55. Canceled

56. (Currently Amended) A high pressure fluid fitting assembly for a fluid-tight coupling of a tube member, having a conduit, to a connector member having a receiving port defined by an interior sealing wall and a bottom end wall, and formed for sliding receipt of said tube member until a distal end thereof seats against said bottom end wall, said connector member further defining a passage extending therethrough and terminating in the receiving port, said fitting assembly comprising:

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having an interior alignment wall defining an alignment passage extending from the proximal face to the distal face for sliding receipt of the tube member therethrough;

a ferrule device having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage defined by a substantially cylindrical interior wall and extending from the tube engaging portion to the sealing portion, and formed for receipt of the tube member therethrough, said ferrule device further including a retention collar extending inwardly from said interior wall, and said tube engaging portion being formed and dimensioned to contact the contact device alignment wall and said sealing portion being formed and dimensioned to contact the connector member sealing wall such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the contact device alignment wall contacts the ferrule device tube engaging portion in manner causing an interior gripping surface thereof to increasingly radially grip the tube member for movement of the ferrule device and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portion into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduit to the connector member passage, and increasingly

urge said distal end of the tube member into seated engagement with the bottom end wall of the connector member; and

~~—— a spanner nut defining an access port for receipt of said tube member therethrough, adapted to engage said contact device to exert said compression force.~~

57. (Previously Presented) The fluid fitting assembly as defined by claim 56, wherein

the sealing portion of the ferrule device includes a sealing surface tapering inwardly toward the distal end thereof, and formed to increase the contact area with the connector member sealing wall as the compression force is increasingly applied.

58. (Currently Amended) The fluid fitting assembly as defined by claim 56 57, wherein

~~—— said tube receiving passage of the ferrule device is defined by a substantially cylindrical interior wall, and said ferrule device further including:~~

~~—— a said retention collar extending inwardly from said interior wall, and is positioned proximate to the distal end of said sealing portion.~~

59. (Previously Presented) The fluid fitting assembly as defined by claim 56, wherein

said interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, and said interior gripping surface increasingly circumferentially gripping said tube member as the compression force is increasingly applied.

60. (Previously Presented) The fluid fitting assembly as defined by claim 59, wherein

the interior alignment wall of the contact device includes a contacting wall tapering inwardly in a direction toward the proximal surface, and

said tube engaging portion of the ferrule device includes a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device in a manner causing the interior gripping surface of the ferrule device tube receiving passage to increasingly radially engage the tube member.

61. (Previously Presented) The fluid fitting assembly as defined by claim 60, wherein

said interior alignment wall of the contact device further includes a substantially cylindrical support wall extending in a direction distally from the contacting wall and terminating at the distal surface thereof to define a ferrule receiving recess, and

said tube engaging portion of the ferrule device further includes a substantially cylindrical alignment surface extending distally from the contacting rim, and formed and dimensioned for sliding engagement with the substantially cylindrical support wall of the contact device.

62. (Previously Presented) The fluid fitting assembly as defined by claim 60, wherein

the proximal end of the ferrule device tube engaging portion tapers inwardly to define the contacting rim.



63. (Previously Presented) The fluid fitting assembly as defined by claim 56, wherein

said engaging portion includes at least one longitudinally extending slot to facilitate engagement with said tube member.

Please add new claims 64-67 as follows:

64. (New) A high pressure fluid fitting assembly for a fluid-tight coupling of a tube member, having a conduit, to a connector member having a receiving port defined by an interior sealing wall and a bottom end wall, and formed for sliding receipt of said tube member until a distal end thereof seats against said bottom end wall, said connector member further defining a passage extending therethrough and terminating in the receiving port, said fitting assembly comprising:

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having an interior alignment wall defining an alignment passage extending from the proximal face to the distal face for sliding receipt of the tube member therethrough; and

a ferrule device having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage defined by a substantially cylindrical interior wall and extending from the tube engaging portion to the sealing portion, and formed for receipt of the tube member therethrough, said ferrule device further including a retention collar extending inwardly from said interior wall, and said tube engaging portion being formed and dimensioned to contact the contact device alignment wall and said sealing portion being formed and dimensioned to contact the connector member sealing wall such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the contact device alignment wall contacts the ferrule device tube engaging portion in

manner causing an interior gripping surface thereof to increasingly radially grip the tube member for movement of the ferrule device and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portion into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduit to the connector member passage, and increasingly urge said distal end of the tube member into seated engagement with the bottom end wall of the connector member.

65. (New) The fluid fitting assembly as defined by claim 64, wherein  
said retention collar being positioned proximate to the distal end of said sealing portion.

66. (New) The fluid fitting assembly as defined by claim 64, wherein  
said interior gripping surface defining at least a portion of the tube receiving passage proximate the tube engaging portion, and said interior gripping surface increasingly circumferentially gripping said tube member as the compression force is increasingly applied.

67. (New) A fluid fitting assembly for a fluid-tight coupling of a tube member, having a conduit, to a connector member having a receiving port defined by an interior sealing wall and formed for sliding receipt of the distal end of said tube member therein, said connector member further defining a passage extending therethrough and terminating in the receiving port, said fitting assembly comprising:

a contact device having proximal surface and an opposite distal surface facing toward said connector member, and having an interior alignment wall defining an alignment passage extending from the proximal face to the distal face for sliding

receipt of the tube member therethrough, and including a contacting wall tapering inwardly in a direction toward the proximal surface, said interior alignment wall further including a substantially cylindrical support wall extending in a direction distally from the contacting wall and terminating at the distal surface thereof to define a ferrule receiving recess; and

a ferrule device having a proximal tube engaging portion, an opposite distal sealing portion and a tube receiving passage extending from the tube engaging portion to the sealing portion and formed for receipt of the tube member therethrough, said tube engaging portion including a proximal contacting rim adapted to contact the inwardly tapered contacting wall of the contact device and an interior gripping surface defining at least a portion of the tube receiving passage, said tube engaging portion further includes a substantially cylindrical alignment surface extending distally from the contacting rim, and formed and dimensioned for sliding engagement with the substantially cylindrical support wall of the contact device, and said sealing portion being formed and dimensioned to contact the connector member sealing wall such that when a compression force is increasingly applied to the contact device in the direction toward the connector member, the contact device alignment wall contacts the ferrule device tube engaging portion in manner increasingly causing the interior gripping surface to radially grip the tube member for movement of the ferrule device and the contact device, as a unit, toward the connector member to increasingly urge the ferrule device sealing portion into fluid sealing engagement with the connector member sealing wall and to fluidly couple the tube member conduit to the connector member passage.